

SEPARATION PARTICLES

ABSTRACT OF THE INVENTION

5

A composition comprising colloidal Fe_3O_4 particles coated with streptavidin is disclosed. These particles can be used in a method for separating biotinylated compounds from a solution in which the biotinylated compounds bind to the streptavidin-coated particles which are attracted to a surface by a magnet. Also disclosed is a method for making
10 said streptavidin-coated composition, said method comprising the steps of forming colloidal Fe_3O_4 particles by mixing aqueous FeCl_2 with aqueous FeCl_3 , adding aliquots of the mixture to an alkaline solution and adding streptavidin.